

W9RH

THE MILWAUKEE RADIO AMATEURS CLUB INC.

~ PARTS AND COST LIST FOR THE W.E.R.S. UNIT ~

Unit--1-----Oscillator	\$3.90
Unit--2-----Modulator	8.56
Unit--3-----Receiver	8.56
Unit--4-----Rec. Power Supply	6.44
Unit--5-----Trans. Power Supply	14.76
Unit--6-----Cabinet Antenna, Speaker and Misc.	\$ 42.02
TOTAL	\$ 49.52

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Parts and cost list for the W.E.R.S. (Oscillator)

Unit-Nr.-1

-1-	616 tube	\$1.05
-1-	8" x 5" Chassis pan	.40
-2-	Feed thru insulators (22¢ Each)	.44
-1-	Octal socket---(Steatite)	.24
-1-	Male 6 prong plug-----(Sub. could be tube bases)	.18
-1-	Blocking condenser .001 to .00025 - (1000 volt mica)	.20
-1-	Grid resistor---75,000 ohms (1-watt)	.12
-5-	Small stand off insulators --- (10¢ each)	.30
-1-	By pass condenser .001 ---(600 volt rating)	.28
-1-	By pass condenser .00025 ---(600 volt rating)	.15
-1-	R.F. Choke--Home made---(15 to 18 turns on 1/4 inch dowel)	.05
-1-	50 Mfd. variable tuning condenser (NOT AVAILABLE) must be made from collected old BRASS condenser plates (Large size)	.50
-1-	Hookup wire	.05
-2-	Cables to connect receiver and transmitter with power units at (75¢ each)	1.50
-1-	Piece metal for cover 5 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ " ---(10 gage) ---Donated	
-1-	Piece metal for - - - 6" x 2"	"
-1-	Loudspeaker ---magnetic---6 or 8 inch	.9
-1-	Wooden Cabinet and lock (Donated) sold by MAC for	.9
-1-	Whip Auto antenna small about 30" or metal rod	.9
-1-	Lead-in wire and Antenna -(1/2" metal rod or conduit (Approx. 4' long)	.9

Unit-Nr.-6  
Misc.

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## Parts and cost list for the W.E.R.S. (Modulator)

Unit-Nr-2-

-1-	6L6 tube		\$1.05
-1-	6C5 tube		.58
-1-	Chassis pan		.15
-1-	Modulation transformer 75 mil. choke impedance 6000 ohms		1.26
-1-	Mike transformer		.90
-1-	.8 Kfd. 450 volt condenser		.45
-1-	Jack for mike (Not Available) --Junk box		.24
-2-	Octal sockets mud type (8¢ each)		.16
-1-	.1 Kfd. condenser		.15
-1-	.01 coup. condenser (600 Volt)		.12
-1-	100,000 ohm resistor 1-watt type		.12
-1-	500,000 "	" "	.12
-1-	50,000 "	" "	.12
-1-	350 ohm 10-watt variable		.45
-2-	10 Kfd. condensers (25-volt) (24¢ each)		.48
-1-	Male 6-prong plug		.15
-2-	S. P. S. T. switch (36¢ each)		.72
-2-	Terminal mounting strips 6¢ each		.12
-1-	6-prong socket mud		.08
-1-	6/32 screws and nuts Approx. cost		.15
-1-	Hookup wire		.25
-1-	Single circuit jack (Not available) --Junk Box		.27
-1-	Two circuit jack (Not available) --Junk Box		.27
Total			\$8.36

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Unit -Mr.-3-

## Parts and cost list for the W.E.R.S. ---(Receiver)

-1-	6V6 Or 6FG tube	\$.58
-2-	57 tubes 45¢ Each	.90
-1-	Chassis pan	.15
-1-	Output transformer 6000 ohms impedance	1.02
-1-	Choke audio (Primary of output transformer or small audio	1.02
-1-	S. P. S. T. switch	.36
-1-	250,000 ---1 meg. volume control (model C or 13 taper)	.50
-3-	Mounting strips (6¢ each)	.18
-1-	Octal socket mud type	.08
-1-	4 prong socket mud type	.07
-2-	5 prong sockets mud type (7¢ each)	.14
-1-	6-prong male plug	.15
-1-	Antenna binding post	.15
-1-	Knob for volume control	.06
-1-	Phone jack (Closed circuit) (NOT AVAILABLE)	.24
-2-	Crommets	.03
-2-	.01 condenser---600 volt rating---(12¢ each)	.24
-1-	350 to 500 ohm---(1 watt) resistor	.12
-1-	10 Kfd. 25 volt condenser	.24
-2-	.002 Kfd. mica condensers---(36¢ each)	.72
-1-	.00005 Kfd. mica condenser	.15
-1-	10,000 ohm (1/2 watt) resistor	.10
-1-	1 meg. (1/2 watt) resistor	.10
-1-	2000 ohm (1/2 watt) resistor	.10
-2-	3 to 30 trimming condenser (15¢ each)	.30
-1-	.1 Kfd. condenser (400 volt)	.18
-1-	9 colors of wire	.25
-1-	Off and On plates	.03
-1-	4" x 5" metal plate Donated	
-1-	Mounting strip 2" x 7" Donated	
	Total	\$8.56

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Unit -Nr-4-

Parts and cost list for the W.E.R.S.  
(Power Supply for receiver)

-1-	70-Mill power transformer 250-volts each side and filament of 6.3-volts and 5-volts	\$5.00
-1-	70-Mill choke ---15-henrys	.26
-2-	8 Mfd. condensers 450 volts test (each 45¢)	.90
-1-	70,000 ohm ---1-watt bleeder	.12
-1-	.01 by pass condenser 600 volt type	.12
-1-	Socket 4-prong	.07
-1-	6-prong socket	.07
-1-	Mounting strip ---4 lugs	.05
-1-	Mounting strip ---2 lugs ---for AC supply	.03
-1-	Grommet	.02
-1-	Hookup wire	.27
-1-	80 tube	.38
-1-	Chassis pan	.15
Total --		<u>\$6.44</u>

Parts and cost list for the W.E.R.S. (Power Supply for Transmitter)  
Unit -Nr-5-

-1-	150-Mill power transformer 450 volts and filament of 6.3 volts	\$5.37
-2-	30 Henry Choke ---150 mills	\$2.16 each
-2-	30 Henry Choke ---150 mills	4.32
-5-	8 Mfd. ---600 volt wet filter condensers---Each	\$1.08 =
-5-	8 Mfd. ---600 volt wet filter condensers---Each	3.24
-1-	5Z3 Rectifier tube	.58
-1-	Socket 4-prong	.07
-1-	.01 Mfd. ---600 volt condenser	.12
-1-	75,000 ohm ---5 watt resistor	.27
-1-	6-prong female socket	.07
-1-	6-prong male socket	.15
-1-	Chassis base	.15
-1-	Grommet	.02
Total --		<u>\$14.76</u>